

Dott. Davide Gaetano fabbri

CURRICULUM VITAE
EUROPEAN FORMAT

PERSONAL INFORMATION

Name, Surname	Davide Gaetano Fabbri
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Nationality	Italian
Place and Date of birth	SASSARI (ITALY) 07/08/1962
Information	N°. CNR = 697 RESEARCHER LEVEL III

WORK EXPERIENCE

From 1999 to present: Permanent position of Researcher at the Institute for the Application of Advanced Chemical Techniques to Agro-biological Problems of Sassari later became Institute of Biomolecular Chemistry (UOS of Sassari).

Since 2007: Head of Unit's Activities of the National Research Council: PM.P01.011.004 "Synthesis of multifunctional molecules with conformational rigidity for treatment of neurodegenerative diseases" within the Project: PM.P01.011 "Synthesis and molecular diversity of biologically active compounds of social importance" concerning the Project: "Molecular design of biochemical properties (pharmacological, biological and genetic aspects) ".

From 2006 to 2007: Head of Unit's Activities of the National Research Council: PM.P01.011.004: "Ligands of nicotinic receptors that modulate neurotransmitters (nAChRs) "as part of the Project: PM.P01.011: "Chemical synthesis and diversity molecular of biologically active compounds" relating to the Project: "Molecular design of biochemical properties (pharmacological, biological and genetic aspects) ".

From 1994 to 1999 Researcher (ex art. 23, DPR 171/91) at the CNR Institute for the Application of Advanced Chemical Techniques to Agro-biological Problems of Sassari.

From 1989 to 1991 CNR biennal scholarship (Law 1 August 1988 No. 326) at the CNR Institute for the Application of Advanced Chemical Techniques to Agro-biological Problems of Sassari.

From 1989 to 1989 Scholarship "Federchimica-Zambon Group Spa" at the Department of Chemistry of the University of Sassari.

1989 State Examination. Authorization to practice the profession of Chemist.

EDUCATION AND TRAINING

December 1994 PhD at the University of Sassari. Thesis title: "Synthesis, Reactivity and Application in Enantioselective Catalytic Processes of Atropisomeric Diarilic Molecules"

Supervisor: Prof S. Gladiali.

November 1988 Degree at the University of Sassari Thesis title: "Atropisomeric Sulphur Reagent in Organic Synthesis: Diels-Alder Reactions of Binaphthyl Derivatives"

Supervisor: Prof. Ottorino De Lucchi. (Vote: 110/110 cum laude).

RESEARCH ACTIVITIES

Research sectors

- Synthetic Organic Chemistry
- Green Chemistry
- Chirality
- Natural Compounds

Recent Scientific Activities.

- Preparation of natural and natural-like biphenols with antioxidant activity.
- Identification, design, synthesis and characterization of biphenilic molecules as fungicides and inhibitors of trichothecene and tricodiene, and preparation of the corresponding complexes with β -cyclodextrin.
- Preparation, characterization and resolution of new hydroxylated biphenyls and their biological evaluation as tyrosinase inhibitors.
- Synthesis and resolution of new diarilic molecules as new potential insecticide for agrobiological purposes.
- Development of new ciclodextrine-diarilic molecules inclusion complexes as antifungal species in the post-harvest treatment of fruits.
- Preparation, characterization and resolution of conformationally stable biphenyls and their biological evaluation as selective anticancer agents against human melanoma cell lines.
- Design and synthesis of new hydroxylated biphenyls as ligands for GABA_A (γ -amminobutirric acid), receptor and studies of their analgesic *in vitro* and *in vivo* activity.
- Design and synthesis of new hydroxylated biphenyls as anticancer agents (melanoma, hepatocarcinoma)

Publications

- 98 articles on international referencing journals
- 178 communication to national and international congresses
- research sector: CHIM 06-Organic Chemistry
- Bibliometrics: H-index: 24 (WoS)

ADDITIONAL INFORMATION